

HOLOGIC INC  
Form 4/A  
January 16, 2008

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
SULLIVAN PATRICK J

(Last) (First) (Middle)  
35 CROSBY DRIVE  
(Street)

BEDFORD, MA 01730

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
HOLOGIC INC [HOLX]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/14/2007

4. If Amendment, Date Original Filed(Month/Day/Year)  
11/16/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Executive Chairman

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock <u>(1)</u>	11/14/2007		M		23,339 A \$ 31.62	152,403	D
Common Stock <u>(2)</u>	11/14/2007		M		36,661 A \$ 31.82	189,064	D
Common Stock <u>(3)</u>	11/14/2007		S		60,000 D \$ 63.1245	129,064	D
Common Stock <u>(2)</u>	11/15/2007		M		60,000 A \$ 31.82	189,064	D
Common Stock <u>(3)</u>	11/15/2007		S		60,000 D \$ 64.2275	129,064	D

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)	Amount or Number of Shares			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	
Nonqualified Stock Option (2)	\$ 31.82	11/15/2007		M	60,000	10/22/2007 01/10/2012	Common Stock	60,000			
Nonqualified Stock Option (1)	\$ 31.62	11/14/2007		M	23,339	10/22/2007 02/09/2011	Common Stock	23,339			
Nonqualified Stock Option (2)	\$ 31.82	11/14/2007		M	36,661	10/22/2007 01/10/2012	Common Stock	36,661			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SULLIVAN PATRICK J 35 CROSBY DRIVE BEDFORD, MA 01730	X		Executive Chairman	

Signatures

/S/ Mark J. Casey, Attorney-in-Fact For: Patrick J. Sullivan  
01/15/2008  
\*\*Signature of Reporting Person Date

Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Originally issued under Cytyc Corporation's 2004 Omnibus Stock Plan in transactions exempt from Section 16 under Rule 16b-3.

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- (2) Originally issued under Cytoc Corporation's 1995 Stock Plan in transactions exempt from Section 16 under 16b-3.
- (3) The sale reported on this Form 4 was made pursuant to a written trading plan adopted in accordance with SEC Rule 10b-5 on September 14, 2007.
- (4) Price not applicable to this transaction.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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